

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-171277

(43)Date of publication of application : 17.06.2003

---

(51)Int.Cl.	A61K 31/427	A61K 9/36	
	A61K 9/50	A61K 9/62	
	A61K 47/38	A61P 31/04	C07D477/00

---

(21)Application number : 2001-375036 (71)Applicant : WYETH LEDERLE JAPAN LTD

(22)Date of filing : 07.12.2001 (72)Inventor : NEGISHI HIROSHI

MIYAJI TATEAKI

---

(54) MEDICINE-RELEASING TIME-CONTROLLING TYPE SOLID PREPARATION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a

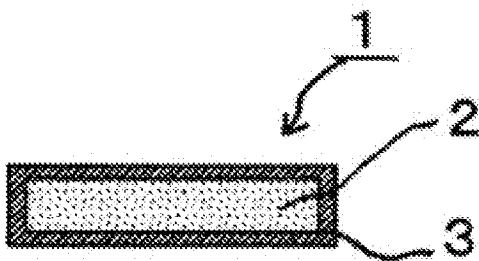
medicine-releasing time-controlling type solid

preparation having a so-called pulse type releasing

characteristic, i.e., exhibiting a prescribed lag time

until the initiation of release of the medicine after

administering an oral carbapenem-based antibiotic



agent as the medicine and releasing the medicine quickly, which is constant and does not depend on a pH of body liquid.

SOLUTION: This medicine-releasing time-controlling type solid preparation consisting of an at least 2-layered structure in which a core layer containing the oral carbapenem-based antibiotic agent as the medicine is covered by an outer layer not containing the medicine is characterized by containing a hydrophobic material, (A) a low viscosity hydroxypropylcellulose and/or (B) a high viscosity hydroxypropylcellulose as outer layer components and controlling the releasing time of the medicine by making the blending ratio of the (A)/(B) as (10/0)-(0/10). As the hydrophobic material in the outer layer components, a microcrystalline cellulose is used.